

P2 COMMITTEE ACTIVITIES AND TARGETS – Short Term (FY – 2005)

	ACTIVITIES (PROJECT LEADER)	TARGET	UPDATE
2.	Implement AP and EPP at PBS (Lallier / Kocher / Sekura)	One training session / up on Website	AP/EPP information to be added to Lallier's environmental training. Note that all PBS CoF projects have been canceled.
3.	Natural lawn care (Sekura)	Implement organic program	Budget cuts were to have resulted in no more lawn treatment. But ChemLawn is spraying as they were before. Linda to speak with Phil Kall.
4.	No mow zones (Sekura)	Reduce fossil fuel burning, resources, and chemicals used in lawn maintenance	P. Kall and R. Palyo discussing 3 of 5 suggested areas.
6.	Garnet recycling tech transfer (Kocher)	Investigate business-wide applications	W. Kocher will put a 15-minute video on the P2 website. Once the video is on the website, W. Kocher will contact Marshall to see if they are interested. Yod needs a new pass. Report presented at Ames meeting.
8.	Develop a web-based P2/Recycling training module(Kenzig/Kocher/Sekura)	Make available	M. Kenzig and S. Jacobson are working on the second draft of training module which is nearly complete. GOLEARN program may be used.
9.	EPP web site (Kocher/Sekura)	Develop analytical tool	Utsav has completed first version of computer tool. Public version eventually to be on web. Sekura provided Utsav with additional information.
11.	Market EPP site NASA-wide (Kocher / Kenzig / Myers)	Implement EPP on GoLearn.com or similar	Walt will work with CSU, other centers, and local environmental groups as a test and to spread awareness of the project. US EPA may be interested. Kenzig to work with card holders.
12.	Determine strategic plan to include AP/EPP language in contracts (Kenzig / Myers)	Create clause language and incorporate into five contracts	Need Michelle's input. (Cafeteria SOW sustainability language should be used in cafeteria contract, partially fulfilling 1 of 5 contract targets.)
14.	Study of low-strength mortar and flowable fill containing recycled material (Kocher)	Develop guidance document	Comments still needed. R. Palyo also needs the report to set up a meeting to discuss implementation.
15.	Install sustainable cooling towers at SPF (Lallier)	Conduct feasibility study	CoF project canceled. R. Lallier met CoF project team. Vortex system may be used.
16.	Spark plug / energy efficiency (Sekura)	Complete study	Testing completed. Report is being reviewed.
17.	EPP Chapter (Kocher / Sekura)	Publish EPP chapter	W. Kocher to see that the EPP chapter is approved. Editing in progress.
18.	Add 5 products to AP/EPP list (Sekura)	5 EPP products posted on AP/EPP site	Working on several product categories. Want to focus on AP-type (EPA/CPG-listed) products. Toilet paper and toilet bowl cleaner write-up submitted to Sandy. Deodorant and sunscreen evaluations being worked on.

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19.	Water conservation for cooling tower maintenance (Sekura / White)	Use rental portable unit to save water during shutdown	L. Sekura to continue working with L. Shroeder and A. Hugo to determine FD response to work order. FD now reviewing options. W. Howser, R. Palyo, and others reviewing other GRC once-through water systems.
20.	Recycle Chapter (Kenzig)	Publish chapter	Draft to be distributed to Recycle Committee members. Due date for chapter TBD.
21.	AP Chapter (Kenzig)	Publish chapter	AP chapter being edited. Comments are still being received.

Reports Pending / Projects on Hold

	ACTIVITIES (PROJECT LEADER)	TARGET	UPDATE
1.	Reduction of chemicals at PBS (Lallier / Muscolo)	All 4 major facilities: a.) Assessed for excessive chemicals b.) Chemicals disposed or recycled	Muscolo and Quintin assisted PBOSG in conducting the annual chemical inventory and bar-coding procedure. Report to come.
5.	Garnet Recycling (Kocher)	Complete installation, optimize performance & implement	Installation complete. D. White/P2 Team need a final report from Yod.
10.	Create SAGE-like program to recommend P2 alternatives (Kocher)	Make search tool available on net for GRC	Funding for students needed.
13.	Replace Stoddard Solvent as degreaser in Space Environment Chamber at PBS (Sekura / Lallier)	Replace with EPP degreaser	Degreaser has been removed. Replacement for trichloroethane needed.

Projects Complete

	ACTIVITIES (PROJECT LEADER)	TARGET	UPDATE
7.	Life Cycle Assessment (Kocher / Sekura)	Determine and implement 2 application-specific tools	L. Sekura finished lawn care and light bulb LCA analysis. Report completed.
22.	CFL pilot program (Sekura)	Complete pilot program	Total: 260 sold and delivered. Report completed.
23	Replace precision wipes with 100% recycled-content paper towels	Employees order fewer wipes	Paper towels now listed in stock on web and educational piece also posted. Report completed.

P2 COMMITTEE ACTIVITIES AND TARGETS – Long Term (FY – 2005)

	ACTIVITIES (PROJECT LEADER)	FY- 05 TARGET	UPDATE
1.	Real Time Monitoring pilot study at GRC – Lewis Field (Kocher)	Secure funding for a prototype unit	Funding still needed. Project may begin moving forward in the last half of CY 2005.
3.	Life Cycle Assessment (Kocher / Sekura)	Develop basic model	Develop combined qualitative / quantitative tool.
4.	Soil pile prairie – West & Cryogenic (Walker/Buttler/Sekura)	Plant prairie	Buttler (Pheasants Forever) seed at GRC. Roto tilling to take place before planting. \$10-12K needed to till 3-31/2 acres.
5.	Biodegradable cafeteria supplies (Sekura)	Implement pilot program	Recycled napkins are in place as part of outreach program on reduction of use of disposables. Attempt one starch-to-go container. Linda meeting with cafeteria management.
7.	New cafeteria set-up (Sekura)	Integrate sustainability concepts	The SOW that went out for bid included pro-P2 language. Advisory committee for P2 and Nutrition was suggested to the cafeteria management. New cafeteria is not using washables. Linda meeting with cafeteria management.
8.	Continue to convert EMO and other GRC vehicles to CNG/other alt. (Strawser)	All new/replacement vehicles capable of using alternative fuel	Three new "ethanol" vans were added recently.
9.	Renewable energy at Lewis Field (Sekura / Wroblewski))	Produce some form of renewable energy at Lewis Field to feed back into grid, remove an area from grid, or use power for a project instead of grid.	Negotiations with power company in progress. Henry Wroblewski will let Linda know when negotiations begin again.
10.	Renewable energy at PBS (Sekura / Wroblewski))	Same as #9 – at PBS.	F. Miller is in contact with PBS personnel. As many as 12 towers may be installed.
11.	Assist in providing wind power from Lake Erie (F. Miller)	Assist in GEO project by receiving data at NASA antenna – Target achieved when wind monitoring study completed.	Lake Erie crib monitor measurements may be done by now. Fletcher's group received equipment to outfit 5 tall tower with monitors.

P2 COMMITTEE ACTIVITIES AND TARGETS – Long Term (FY – 2005)

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12.	Initiate one NASA hydrogen power project (Sekura / Hoberecht / Prokopius)	Consensus is achieved by Hydrogen Power Working Group and funding is secured.	Proposal for NASA-wide hydrogen fueling stations, starting with GRC and KSC. Proposal sent to HQ. Sustainability funds now limited. \$24K may come from HQ at end of FY 2005. Stennis may receive money from the Southwest Fuel Cell Coalition.
13.	Hydrogen power production at GRC (Sekura / Hoberecht / Prokopius)	Hydrogen is produced at GRC for a project, or a dispenser is working.	See above (#12).
14.	Hydrogen powered fleet (Sekura / Hoberecht / Prokopius)	GRC has at least one working hydrogen car	See above (#12).
15.	Sustainable cooling towers at GRC (Lallier / Myers)	Implement 1 tower – Eliminate disinfectant and/or minimize water use	Also, see short-term goals (#13). R. Lallier found another process to review. Write up to come.
16.	Laser paint removal in Hangar (Sekura)	Make case for laser equipment at GRC	GRC was selected as the first test site for three lasers. The test is scheduled for early October.
17.	Environmental management certification courses (Kocher/White)	Offer one course	CVE 450 Environmental Technology Class completed. Report to come.

Reports Pending / Projects on Hold

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2.	Replace large Iridite uses (Sekura)	Performance testing done	MIL spec includes chromate. This is a dead issue until GRC specs change or a new chemical developed. L. Sekura contacted KFC. Nothing tested yet.
6.	Cafeteria GRC-wide composting (Kennedy / Kocher)	Implement pilot program	P. Kennedy contacted Ohio EPA to determine possible restrictions on composting. Result: composting may be impractical. Report to come.